

SEA TURTLE SEASON 2001 Fort Morgan

1. DATE\_LAID~ The day the turtle laid here eggs.
2. NEST ~ Nest Number
3. SPECIES
4. SCI\_NAME ~ Scientific name.
5. TRAK\_WDT\_M ~ Track width in meters.
6. OB\_PATH ~ Obstructions in Path.
7. DIST\_WAT\_M ~ Distance to the water in meters.
8. DIS\_DU\_M\_ ~ Distance to the dune in meters.
9. ZUP\_BCH ~ % number figured by the distance from the water by the total depth of the beach( which equals the distance from the water + the distance from the dunes)
10. RELOCATED
11. ZDEPREDATE ~ #Depredated
12. DEPREDATED
13. PREDATOR ~ What predated the nest
14. INUNDATED ~ Inundation by water
15. DATE\_OF\_IN ~ Date the nest was inundated by water.
16. HATCHEDDAT ~ Hatched date
17. INCUBATE\_D ~ Incubation date
18. EXCAVATED
19. HATCHED ~ yes or no (includes escaped from nest, alive in nest and released, and hatched but dead in nest.)
20. ESCAPED ~ means they hatched out and on their own made it out of the nest.
21. Z\_ESCAPED ~ this is the number of hatchlings that escaped
22. REL\_NEST ~ means turtles that were still in the nest when the nest was excavated
23. Z\_RELEASED ~ this is the number of turtles released from the nest when it was excavated
24. UNDISCERN ~ means the eggs had no obvious embryo
25. ZUNDISCERN ~ the number of eggs that had no obvious embryo
26. DEADINNEST ~ the hatchling made it out of the egg, but then died in the nest
27. ZDEADINNES ~ the number of dead hatchlings in the nest
28. DEADEMBRYO ~ the egg was developed, but did not hatch
29. ZDEADEMBRY ~ the number of dead embryos found
30. DEAD\_PIP ~ the egg was broken and a hatchling attempted to get out, but died in the process. The egg is neither hatched nor is it unhatched: it is piped.
31. Z\_DPIP ~ the number of eggs that were dead piped.
32. LIVE\_PIP ~ the turtle was a live piped and were released later.
33. Z\_LIVE\_PIP ~ number live piped
34. TOT\_PIPPED ~ the total number of piped eggs dead piped + live piped
35. TOT\_UNHTCH ~ total unhatched depredated, dead embryos and undiscernable(no obvious embryo)
36. TOT\_HTCH ~ total hatched escaped from nest, alive in nest and dead in nest
37. TOTAL\_EGS ~ total eggs
38. ZSURVIVAL\_ ~ % that survived = escaped from nest + plus alive in nest and released + Live piped eggs divided by the total eggs.
39. DEPTH\_TOP\_ ~ depth to the top of the clutch
40. DEPTH\_BOT\_ ~ depth to the bottom of the clutch
41. COMMENTS ~ a brief summary of any unique occurrence that happened to the nest during incubation and when the nest was excavated. For example I tried to list if I saw any patterns in embryo development that may have coincided with the water table.
42. MISORIENT ~ Yes or no basically just stating if the nest exhibited any sort of misorientation at all.
43. N/A ~ Not applicable for whatever reason
44. Dnh ~ means didn't hatch

DATE_LAID	NEST___	SPECIES	SCI_NAME	TRAK_WDT_M	OB_PATH	DIST_WAT_M	DIS_DU_M_
4/6/01	10001	CC	N/A	1.10	N	12.0	42.0
6/4/01	10002	CC	Caretta c	0.80	N	12.0	28.0
6/5/01	10003	CC	N/A	1.00	N	12.0	24.0
6/8/01	10005	CC	N/A	0.83	N	11.0	32.0
6/8/01	10006	CC	N/A	0.90	N	7.0	32.0
6/10/01	10007	CC	Caretta c	1.00	N	23.0	26.0
6/10/01	10008	CC	Caretta c	1.05	N	15.0	21.0
6/10/01	10009	CC	N/A	0.97	N	21.0	22.0
6/12/01	10010	CC	Caretta c		N	60.0	0.0
6/18/01	10011	CC	Caretta c	0.90	N	21.0	25.0
6/1/01	10012	CC	Caretta c	1.05	N	14.0	4.0
6/21/01	10013	CC	Caretta c	0.91	N	4.6	21.6
6/21/01	10014	CC	Caretta c	0.95	N	35.6	12.4
6/22/01	10015	CC	Caretta c		N	27.9	19.4
6/25/01	10016	CC	Caretta c	1.00	N	17.0	25.0
6/26/01	10017	CC	Caretta c	1.00	N	26.8	35.9
6/26/01	10018	CC	Caretta c	0.93	N	4.6	63.0
6/27/01	10019	CC	N/A	0.95	N	12.5	37.0
6/28/01	10020	CC	Caretta c	1.50	N	11.9	61.1
6/30/01	10021	CC	Caretta c	1.00	N	18.5	51.1
6/30/01	10022	CC	Caretta c	0.93	N	21.7	27.1
6/8/01	10023	CC	N/A	0.90	N	15.6	9.8
7/2/01	10023	CC	N/A	0.90	N	16.7	30.6
7/3/01	10024	CC	N/A		N	2.8	10.5
7/5/01	10025	CC	N/A	1.10	N	3.4	61.4
7/6/01	10026	CC	N/A	1.10	N	3.7	52.1
6/8/01	10027	CC	N/A		N	27.7	36.3
7/9/01	10029	CC	Caretta c	1.00	N	27.0	32.7
7/9/01	10030	CC	N/A	1.10	N	3.0	62.8
7/11/01	10031	CC	N/A	1.10	N	5.0	40.3
7/12/01	10032	CC	Caretta c	1.00	Y	24.7	9.0
7/19/01	10033	CC	N/A	1.10	N	8.5	46.0
7/23/01	10034	CC	N/A	0.90	N	1.2	52.3
7/24/01	10035	CC	Caretta c	1.20	N	11.5	47.3
7/26/01	10036	CC	Caretta c	1.20	N	22.2	37.5
7/28/01	10037	CC	Caretta c	1.00	N	13.8	8.5
7/30/01	10038	CC	N/A		N	19.6	30.2
8/6/01	10039	CC	Caretta c	0.93	Y	10.7	0.0
7/11/01	10040	CC	Caretta c	1.10	N	28.9	21.3

ZUP_BCH	RELOCATED	ZDEPDATE	DEPREDATED	PREDATOR	INUNDATED	DATE_OF_IN
22	N	0	N	N/A	Y	08/02/01
30	Y	20	Y	Ghost Cra	Y	08/02/01
33	Y	0	N	N/A	Y	06/11/01_
26	N	0	N	N/A	Y	06/11/01_
18	N	0	N	N/A	Y	06/11/01_
47	N	27	Y	GhostCrab	Y	08/02/01
42	N	N/A	Y	Ghost Cra	Y	06/11/01_
49	N	0	N	N/A	Y	08/02/01
100	N	N/A	Y	Ghost Cra	Y	08/02/01
46	N	8	Y	Ghost Cra	Y	08/02/01
78	Y	1	Y	Ghost Cra	Y	08/02/01
18	Y	N/A	Y	Ghost Cra	Y	08/02/01
74	N	0	N	N/A	Y	08/02/01
59	N	0	N	N/A	Y	08/02/01
40	N	6	Y	Ghost Cra	Y	08/02/01
43	N	0	N	N/A	Y	08/02/01
7	Y	2	Y	Ghost Cra	Y	08/02/01
25	N/A	N/A	N/A	N/A	y	08/02/01
16	N	N/A	Y	Ghost Cra	Y	08/02/01
27	N	2	Y	Ghost Cra	Y	08/02/01
44	N	1	Y	Ghost Cra	Y	08/02/01
61	N	10	Y	Ghost Cra	Y	08/02/01
35	N	3	Y	Ghost Cra	Y	08/02/01
21	N	N/A	N	N/A	Y	08/02/01
5	N	N/A	N	N/A	Y	08/02/01
7	N	0	N	N/A	Y	08/02/01
43	N	N/A	N/A	N/A	N/A	N/A
45	N	0	N	N/A	Y	08/02/01
5	N	N/A	N/A	N/A	N/A	N/A
11	N	N/A	N	N/A	N/A	N/A
73	N	0	N	N/A	Y	08/02/01
16	N	N/A	N/A	N/A	N/A	N/A
2	N	N/A	N/A	N/A	N/A	N/A
20	N	0	N	N/A	Y	08/02/01
37	N	0	N	Ghost Cra	Y	08/02/01
62	N	1	Y	Ghost Cra	Y	08/02/01
39	Y	0	N	N/A	Y	08/01/01
100	N	0	N	N/A	Y	08/02/01
58	N	0	N	N/A	Y	08/02/01

HATCHEDDAT	INCUBATE_D	EXCAVATED	HATCHED	ESCAPED	Z_ESCAPED_	REL_NEST
dnh	dnh	08/14/01	N	N	0	N
N/A	N/A	08/24/01	Y	N		0 Y
dnh	dnh	08/20/01	N	N	0	N
dnh	dnh	08/28/01	N	N	0	N
dnh	dnh	08/27/01	N	N	0	N
dnh	dnh	09/23/01	N	N	0	N
08/09/01	61	08/15/01	Y	Y	10	N
dnh	dnh	8/28/01	N	N	0	N
8/20/01	70	08/23/01	Y	Y	66	N
N/A	N/A	09/04/01	N	N	0	N
dnh	dnh	09/10/01	N	N		0 N
dnh	dnh	08/04/01	N	N	0	N
dnh	dnh	9/7/01	N	N		0 N
dnh	dnh	9/10/01	N	N		0 N
dnh	dnh	09/07/01	N	N	0	N
09/05/01	72	9/20/01	Y	Y	1	N
dnh	dnh	09/10/01	N	N		0 N
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
dnh	dnh	09/18/01	N	N	0	N
dnh	dnh	09/18/01	N	N	0	N
N/A	N/A	N/A	N/A	N/A	N/A	N/A
dnh	dnh	09/18/01	N	N	0	N
N/A	N/A	N/A	N	N/A	N/A	N
N/A	N/A	N/A	N	N/A	N/A	N
N/A	N/A	N/A	N	N/A	N/A	N
N/A	N/A	N/A	N	N/A	N/A	N
N/A	N/A	N/A	N	N/A	N/A	N
09/17/01	71	09/20/01	Y	Y	11	N
N/A	N/A	N/A	N	N/A	N/A	N
N/A	N/A	N/A	N	N/A	N/A	N
dnh	dnh	09/20/01	N	N	0	N
N/A	N/A	N/A	N	N/A	N/A	N
N/A	N/A	N/A	N	N/A	N/A	N
N/A see c	N/A see c	09/26/01	Y	Y	1	N
dnh	dnh	08/02/01	N	N	0	N
10/02/01	67	10/02/01	Y	Y		12 Y
dnh	dnh	10/11/01	N	N	0	N
10/07/01	61	10/10/01	Y	Y	95	N
09/09/01	61	09/09/01	Y	Y	81	Y

Z_RELEASED	UNDISCERN	ZUNDISCERN	DEADINNEST	ZDEADINNES	DEADEMBRYO	ZDEADEMBRYO
0	Y		118 N	0	N	0
3	N		0 N	0	Y	46
0	Y		118 N	0	N	0
0	Y		97 N	0	N	0
0	Y		116 N	0	N	0
0	Y		2 N	0	Y	60
0	Y		131 N	0	N	0
0	Y		103 N	0	N	0
0	Y		5 N	0	Y	2
0	Y		4 N	0	Y	75
0	0 Y		7 N	0	Y	10
0	Y		5 N	0	Y	25
0	N		0 N	0	Y	113
0	N		0 N	0	Y	121
0	Y		26 N	0	Y	17
0	N		0 N	0	Y	118
N	Y		88 N	0	Y	4
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
0	Y		10 N	0	Y	89
0	Y		26 N	0	Y	61
N/A	N/A	N/A	N/A	N/A	N/A	N/A
0	Y		96 N	0	N	0
N/A	N		N	N/A	N/A	N/A
N/A	N		N	N/A	N/A	N/A
N/A	N		N	0	N/A	N/A
N/A	N		N	N/A	N/A	N/A
0	N		0 N	0	Y	100
N/A	N		N	0	N/A	N/A
N/A	N		N	N/A	N/A	N/A
0	Y		127 N	0	N	0
N/A	N		N	N/A	N/A	N/A
N/A	N		N	N/A	N/A	N/A
0	Y		114 N	0	Y	1
0	Y		81 N	0	Y	17
22	Y		5 N	0	Y	1
0	Y		81 N	0	N	0
0	N		0 Y	1	Y	6
5	Y		1 Y	3	Y	3

DEAD_PIP	Z_DPIP	LIVE_PIP	Z_LIVE_PIP	TOT_UNHTCH	TOT_PIPPED	TOT_HTCH	TOTAL_EGS
N	0	N	0	118		0 0	118
N	0	N	0		46	0 3	49
N	0	N	0	118		0 0	118
N	0	N	0		97	0 0	97
N	0	N	0	116		0 0	116
N	0	N	0	62		2	62
Y	3	N	0		131	3 10	144
N	0	N	0	103		0 0	103
N	0	N	0	7		0 66	73
N	0	N	0	87		0 0	87
N	0	N	0	18		0 0	18
N	0	N	0	30		0 0	30
N	0	N	0	113		0 0	113
N	0	N	0	121		0 0	121
N	0	N	0	47		0 0	47
N	0	N	0	118		0 1	119
N	0	N	0		92	0 0	92
N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N	0	N	0	99		0 0	99
N	0	N	0	87		0 0	87
N/A	N/A	N/A	N/A	N/A		0 N/A	N/A
N	0	N	0		99 N/A	0	99
N	N/A	N	N/A	N/A	N/A	N/A	N/A
N	N/A	N	N/A	N/A	N/A	N/A	N/A
N	0	N	0	N/A	N/A	N/A	N/A
N	N/A	N	N/A	N/A	N/A	N/A	N/A
N	0	N	0	100		0 11	111
N	N/A	N	N/A	N/A	N/A	N/A	N/A
N	N/A	N	N/A	N/A	N/A	N/A	N/A
N	0	N	0	127		0 0	127
N	N/A	N	N/A	N/A	N/A	N/A	N/A
N	N/A	N	N/A	N/A	N/A	N/A	N/A
N	0	N	0	115		0 1	116
N	0	N	0	98		0 0	98
Y	2	N	0	9		2 34	43
N	0	N	0	84		0 0	84
Y	1	N	0		9	1 96	106
Y	1	Y	3	4		4 89	97

ZSURVIVAL_	DEPTH_TOP_	DEPTH_BOT_	COMMENTS
	0.0 N/A	N/A	
	4.5 N/A	N/A	washed out in storm saved what eggs we could before sto
	0.0 N/A	N/A	Moved before storm hit
	0.0 38		61
	0.0 38	N/A	
	0.0 25		53
	7.5 N/A	N/A	
	0.0 36		61
	90.0 N/A	N/A	
	0.0 31		56
	0.0 N/A	N/A	relocated during tropical storm
	0.0 N/A	N/A	
	0.0 31		51
	0.0 20		46 standing water shot time on nest
	0.0 N/A	N/A	
	0.1 N/A	N/A	different stratification of nest eggs on top more develop
	0.0 N/A	N/A	relocated during tropical storm
N/A	N/A	N/A	washed out in storm
N/A	N/A	N/A	washed out in storm
	0.0 25		48
	0.0 53		69 Eggs in various stages of development not correspnding
N/A	N/A	N/A	washed out during tropical storm
	0.0 43		53
N/A	N/A	N/A	washed out in storm
N/A	N/A	N/A	washed out in storm
N/A	N/A	N/A	washed out in storm
N/A	N/A	N/A	washed out in storm
	10.0 N/A	N/A	various stages of development no stratification of nest
	N/A	N/A	washed out in storm
	N/A	N/A	
	0.0 31	N/A	for ob_path it was a beach canopy
	N/A	N/A	washed out in storm
	N/A	N/A	washed out in storm
	0.8 N/A	N/A	On 65th day check just one hatchling in nest waited two
	0.0 38		51
	80.0 N/A	N/A	Hatchling release video taped for PBS
	0.0 N/A	N/A	
	90.0 23		38 took three unhtched eggs for contaminent analysis
	91.8 26	N/A	

MISORIENT

N/A

Y

N/A

N/A

N/A

N/A

Y

N/A

Y

N/A

N/A

N/A

N/A

N/A

N/A

Y

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

Y

N/A

N/A

N/A

N/A

N/A

Y

N/A

Y

N/A

Y

Y